

Yannick Bahe

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,436
citations

218677

26
h-index

254184

43
g-index

45
all docs

45
docs citations

45
times ranked

2660
citing authors

#	ARTICLE	IF	CITATIONS
1	Why does the environmental influence on group and cluster galaxies extend beyond the virial radius?. Monthly Notices of the Royal Astronomical Society, 2013, 430, 3017-3031.	4.4	193
2	Molecular hydrogen abundances of galaxies in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3815-3837.	4.4	182
3	The Cluster-EAGLE project: global properties of simulated clusters with resolved galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1088-1106.	4.4	178
4	The Hydrangea simulations: galaxy formation in and around massive clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4186-4208.	4.4	167
5	The EAGLE simulations: atomic hydrogen associated with galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4204-4226.	4.4	130
6	Evidence for glaciation in the Northern Hemisphere back to 44kMa from ice-rafted debris in the Greenland Sea. Earth and Planetary Science Letters, 2008, 265, 112-122.	4.4	117
7	The distribution of atomic hydrogen in eagle galaxies: morphologies, profiles, and H α holes. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1115-1136.	4.4	117
8	Star formation quenching in simulated group and cluster galaxies: when, how, and why?. Monthly Notices of the Royal Astronomical Society, 2015, 447, 969-992.	4.4	116
9	LoCuSS: Testing hydrostatic equilibrium in galaxy clusters. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 456, L74-L78.	3.3	93
10	The environmental dependence of H α in galaxies in the eagle simulations. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2630-2649.	4.4	77
11	Mock weak lensing analysis of simulated galaxy clusters: bias and scatter in mass and concentration. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1073-1088.	4.4	75
12	The SAMI Galaxy Survey: comparing 3D spectroscopic observations with galaxies from cosmological hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2019, 484, 869-891.	4.4	67
13	The XXL Survey. Astronomy and Astrophysics, 2016, 592, A4.	5.1	66
14	The connection between mass, environment, and slow rotation in simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 476, 4327-4345.	4.4	65
15	The diverse density profiles of galaxy clusters with self-interacting dark matter plus baryons. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 476, L20-L24.	3.3	62
16	The BUFFALO HST Survey. Astrophysical Journal, Supplement Series, 2020, 247, 64.	7.7	57
17	The environmental dependence of gas accretion on to galaxies: quenching satellites through starvation. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3460-3471.	4.4	54
18	Disruption of satellite galaxies in simulated groups and clusters: the roles of accretion time, baryons, and pre-processing. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2287-2311.	4.4	47

#	ARTICLE	IF	CITATIONS
19	Galaxy And Mass Assembly (GAMA): Environmental Quenching of Centrals and Satellites in Groups. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	46
20	Simulating Groups and the IntraGroup Medium: The Surprisingly Complex and Rich Middle Ground between Clusters and Galaxies. Universe, 2021, 7, 209.	2.5	46
21	The competition between confinement and ram pressure and its implications for galaxies in groups and clusters. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1179-1186.	4.4	41
22	The origin of the enhanced metallicity of satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 464, 508-529.	4.4	36
23	CCCP and MENEaCS: (updated) weak-lensing masses for 100 galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4684-4703.	4.4	36
24	The intracluster light as a tracer of the total matter density distribution: a view from simulations. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1859-1864.	4.4	34
25	The Cluster-EAGLE project: velocity bias and the velocity dispersionâ€“mass relation of cluster galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3746-3759.	4.4	33
26	A homogeneous measurement of the delay between the onsets of gas stripping and star formation quenching in satellite galaxies of groups and clusters. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5073-5095.	4.4	32
27	Weak lensing constraints on splashback around massive clusters. Monthly Notices of the Royal Astronomical Society, 2019, 485, 408-415.	4.4	30
28	Growing a â€“cosmic beastâ€™: observations and simulations of MACSâ€™J0717.5+3745. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2901-2917.	4.4	25
29	SDSS IV MaNGA: Deep observations of extra-planar, diffuse ionized gas around late-type galaxies from stacked IFU spectra. Astronomy and Astrophysics, 2017, 599, A141.	5.1	24
30	Stellar splashback: the edge of the intracluster light. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4181-4192.	4.4	22
31	A machine learning approach to mapping baryons on to dark matter haloes using the <sc>eagle</sc> and <sc>C-EAGLE</sc> simulations. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5046-5061.	4.4	20
32	The importance of black hole repositioning for galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2022, 516, 167-184.	4.4	17
33	Constraining the inner density slope of massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4717-4733.	4.4	15
34	Galaxies with monstrous black holes in galaxy cluster environments. Monthly Notices of the Royal Astronomical Society, 2019, 485, 396-407.	4.4	14
35	The Cluster-EAGLE project: a comparison of dynamical mass estimators using simulated clusters. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3308-3325.	4.4	14
36	Strongly lensed cluster substructures are not in tension with Λ CDM. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1458-1463.	4.4	14

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37	Too dense to go through: the role of low-mass clusters in the pre-processing of satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3210-3227.	4.4	13
38	The importance of the way in which supernova energy is distributed around young stellar populations in simulations of galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 249-264.	4.4	12
39	Dynamical masses of brightest cluster galaxies I: stellar velocity anisotropy and mass-to-light ratios. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1857-1880.	4.4	11
40	The stellar mass function and evolution of the density profile of galaxy clusters from the Hydrangea simulations at $0 < z < 1.5$. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1999-2013.	4.4	10
41	The signal of decaying dark matter with hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2019, 485, 4071-4089.	4.4	9
42	Redshift evolution of the hot intracluster gas metallicity in the C-EAGLE cluster simulations. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1606-1622.	4.4	7
43	Dynamical masses of brightest cluster galaxies II. Constraints on the stellar IMF. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4153-4165.	4.4	6
44	The mass-size relation of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2932-2940.	4.4	6
45	The evolution of the luminosity function faint end of cluster galaxies in the Cluster-EAGLE simulation. Proceedings of the International Astronomical Union, 2018, 14, 495-497.	0.0	0